

## Ashe County Cheese Company, A Division of Newburg Corners Cheese, LLC.

August 20, 2013

Mr. Tony Gallagher N.C. Division of Waste Management 217 West Jones St. Raleigh, NC 27603



Dear Mr. Gallagher,

## **Annual Report of Whey Disposal**

Total amount of whey field spread from July 1, 2012 through June 30, 2013:

1,652,115 gallons at a value of \$16,611.00.

Approximate amount of nitrogen applied: 6,393 lbs at a value of \$3,196.00 (\$.50 per lb).

Approximate amount of phosphorus applied: 6,195 lbs, at a value of \$3,407.00 (\$.55 per lb).

Approximate amount of potassium (potash) applied: 19,247 lbs, at a value of \$10,008.00 (\$.52 per lb).

Respectfully Submitted,

Lucas Everhart
Ashe County Cheese Company

Enclosure (2)

NCDA&CS Agronomic Division

Phone: (919) 733-2655

Website: www.ncagr.gov/agronomi/

FY14-W000658



Predictive

## Waste Report

Client: Ashe County Cheese Co. PO Box 447

106 E Main St.

Advisor: ,

Ashe County West Jefferson, NC 28694

<b>\</b>						
Sample	Sampled: 07/23/2013	Received: 07/24/2013	Completed: 07/29/2013	Farm: 37-77	37-77	Links to Helpful Information
formation	Nutrient and O	Nutrient and Other Measurements				

Sample Information	Nutrient and Other Measurements	rements									-		
	Nitrogen (N) (ppm)	P (ppm)	K (ppm)	Ca (ppm)	P (ppm) K (ppm) Ca (ppm) Mg (ppm) S (ppm) Fe	S (ppm)	Fe (ppm)	(ppm) $Mn$ (ppm) $Zn$ (ppm) $Cu$ (ppm) $B$ (ppm) $Na$ (ppm) $C$ (ppm)	Zn (ppm)	Cu (ppr	n) B (pp	η) Na (pp	~
Sample ID: 072301	Total N	333	1510	458	94.1	124	0.63	0.02	0.37	0.28	0.55	5 377	
	Total Kjeldahl N 1530												
IndustOther		pН	DM (%)		SS (10 <sup>-5</sup> S/cm)		EC (mS/cm)		CCE (%)	Ą	ALE(1000 gal.)	jal.)	
Comments:	NH4-N NO3-N	4.14					•						
	Organic N Urea	Ni (ppm)	Cd (ppm)	Pb (ppn	Ni (ppm) Cd (ppm) Pb (ppm) Al (ppm) Se (ppm)	n) Se (ppi	m) Li (ppm)		opm) Cr	(ppm)	Co (ppm)	As (ppm) Cr (ppm) Co (ppm) Cl (ppm) Mo (ppm)	ž)
	Estimate of Nutrients Available for First Crop (lb / 1000 gal.)	ilable for Fi	rst Crop (	lb / 1000 ga	al.)				Other Elements (lb / 1000 gal.)	ents (lb	/ 1000 ga	1.)	
Application Method	N P2O5 K2O	Ca Mg	g S	Fe	Mn Zn	n Cu	В	Mo CI	CI Na	N:	. Cd Pb	Pb Al	Se
Soil Incorporated	5.09 4.77 13.6	2.87 0.59		-	T 1	-	-1		3.14				
Broadcast	12.1	2.29 0.47		-	_	-	-		3.14				



Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

NCDA&	NCDA&CS Agronomic Division	Phone:	Phone: (919) 733-2655	655	Website	www.ncag	Website: www.ncagr.gov/agronomi/	OfTE			, nj	FY14-W000658	0658
												Page 2 of 2	2 of 2
Sample Information	Nutrient and Other Measurements	urements	, 10000000										
	Nitrogen (N) (ppm)	P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm) Fe	P (ppm) $K$ (ppm) $Ca$ (ppm) $Mg$ (ppm) $S$ (ppm) $Fe$ (ppm) $Mn$ (ppm) $Zn$ (ppm) $Cu$ (ppm) $B$ (ppm) $Na$ (ppm) $C$ (ppm)	(ppm) Zn	(ppm) Cu	(ppm) B	(ppm) Na	(mqq)	C (ppm)
Sample ID: 072302	Total N	320	1400	434	88.1	117	0.59 (	0.01 0	0.28 (	0.22 0	0.51	338	
	Total Kieldahl N 1570					•							
IndustOther	Inorganic N	ρH	DM (%)		SS (10 <sup>-5</sup> S/cm)		EC (mS/cm)	CC	CCE (%)	ALE(1000 gal.)	00 gal.)		C:N
Comments:	NH4-N NO3-N	4.18		•		•	•						
	Organic N Urea	Ni (ppm)	Cd (ppm)	Pb (ppm	Ni (ppm) Cd (ppm) Pb (ppm) Al (ppm) Se (ppm)	Se (ppm)	Li (ppm)	As (ppm) Cr (ppm) Co (ppm) Cl (ppm) Mo (ppm)	Cr (ppm)	Co (pp	m) CI	(ррт) М	lo (ppm)
	Estimate of Nutrients Available for First Crop (lb / 1000 gal.)	ailable for Fir	st Crop (lb	/ 1000 ga	5			Other	Other Elements (lb / 1000 gal.)	(lb / 1000	gal.)		
Application Method	N P205 K20	Ca Mg	S	Fθ	Mn Zn	Cu	В Мо	Ω	Na Ni	i Cd	Pb	Al Se	e Li
Soil Incorporated	5.23 4.58 12.6	2.71 0.55	5 0.73	-1	<b>⊣</b> <b>⊣</b>	-1	<b>-</b>		2.82				
Broadcast	3.92 3.67 11.2	2.17 0.44	4 0.58	႕	<b>Т</b>	-	-1	-	2.82				

preventing environmental contamination. In reading the Laboratory Results section, remember that materials with < 15% dry matter (generally liquids) are analyzed as received; all Nutrient concentrations and other data on this report are provided so that waste materials can be applied at agronomic rates, thereby supplementing or reducing fertilizer application and other wastes are dried first. Values in the Estimate of Nutrients Available for First Crop section are based on the type of waste and method of application you specify and reflect the fact that only 40-60% of the nitrogen and 70-100% of other nutrients become available within one year of application. The remainder may or may not ever become available.

of original sample]; **C:N ratio** = carbon:nitrogen ratio. equivalence; pH = acidity or basicity; DM% = % dry matter [for semi-solid and solid waste samples, this value facilitates conversion of dry-basis concentrations (ppm) back to wet-basis \* ppm = parts per million; S = siemens; mS = millisiemens; T = trace (<0.005 lb/unit); EC = electrical conductivity; CCE = calcium carbonate equivalence; ALE = agricultural lime